	DL	Jelliffe, R.W., "The USC*PACK PC Programs for Population Pharmacokinetic Modeling, Modeling of Large Kinetic/Dynamic Systems, and Adaptive Control of Drug Dosage Regimens" Symposium on Computer Applications in Medical Care: A Conference of the American Medical Informatics Association (1991) pp. 922-923
	DM	Kalmaz, E.E., "Computer Modeling and Parameter Estimation for Pharmacokinetics and Toxicity Studies", Journal of American College of Toxicology (1996) Vol. 5, No. 6, page 607
	DN	Keller et al., "Standardized Structure and Modular Design of a Pharmacokinetic Database", Computer Methods and Programs in Biomedicine (1988) Vol. 55, pp. 107-115
	DO	Kirkup et al., "A Demonstration of Pharmacokinetics and Physiological Modelling Using a Microcomputer for Data Capture and Analysis", Computer Applications in the Biosciences (1986) Vol. 2, No. 4, pp. 277-282
	DP	Kwon et al., "Theoretical Considerations on Two Equations for Estimating the Extent of Absorption After Oral Administration of Drugs", Pharmaceutical Research (1986) Vol. 13, No. 4, pp. 566-569
	DQ	Langguth et al., "Variable Gastric Emptying and Discontinuities in Drug Absorption Profiles: Dependence of Rates and Extent of Cimetidine Absorption on Motility Phase and PH", Biopharmaceutics & Drug Disposition (1994) Vol. 15, pp. 719-746
	DR	Leader et al., "Integrating Pharmacokinetics into Point-of-Care Information Systems", Clinical Pharmacokinetics (1996) Vol. 31, No. 3, pp. 165-173
	DS	Leahy et al., "Physiologic Based Pharmacokinetic Modelling and QSAR", Bioactive Compound Design: Possibilities for Industrial Use, 1996; pp. 147-151
	DT	Lincoln et al., "Pharmacokinetic Simulation: A Future Means for Better Control of Cancer Chemotherapy", Recent Results in Cancer Research, pp. 103-107
	DU	Lu et al., "An Interactive Program for Pharmacokinetic Modeling", Journal of Pharmaceutical Sciences (1993) Vol. 82, No. 5, pp. 537-542
	DV	Luner et al., "Description and Simulation of a Multiple Mixing Tank Model to Predict the Effect of Bile Sequestrants on Bile Salt Excretion", Journal of Pharmaceutical Sciences (1993) Vol. 82, No. 3, pp. 311-318
	DW	Mazumdar et al., "A Mathematical Study of Simple Exponential Modelling in Biochemical Processes", Australasian Physical & Engineering Sciences in Medicine (1991) Vol. 14, No. 4, pp. 226-233
	DX	Metzler et al., "Package of Computer Programs for Pharmacokinetic Modeling", Biometrics, Journal of the Biometric Society (1974) Vol. 30, No. 3, pp. 562-563
	DY	Metzler, C.M. "Commentary to 'Linear and Nonlinear System Approaches in Pharmacokinetics. How Much Do They Have To Offer? II. The Response Mapping Operator (RMO) Approach", J. Pharmacokin. Biopharm, (1988) Vol. 16, pp. 543-571
	DZ	Murata et al., "Pharmacokinetic Analysis of Single or Multiple-Dose Plasma Drug Concentration Data with a Microcomputer Using Multi-Fraction Absorption Models", Journal of Pharmaceutical Sciences (1989) Vol. 78, No. 2, pp. 154-159

	DA	Nakai et al., "Evaluation of the Efficiency of Targeting of Antitumor Drugs: Simulation Analysis Based on Pharmacokinetic/Pharmacodynamic Considerations", J. Drug Targeting (1996) Vol. 8, pp. 448-453
	DB	Nikiforidis et al., "Individualization of Theophylline Infusion Rate on the Basis of a Nonlinear Compartmental Pharmacokinetic Model", European Journal of Drug Metabolism and Pharmacokinetics (1997) Vol. 22, No. 3, pp. 265-276
	DC	Nogami et al., "Pharmacokinetic Analysis on the Disappearance of Ethoxybenzamide from Plasma. Statistical Treatment of Data of Two Compartmental Model by a Digital Computer", Chem. Pharm. Bull. (1969) Vol. 17, No. 10, pp. 2097-2104
	DD	Oh et al., "Estimating the Fraction Dose Absorbed from Suspensions of Poorly Soluble Compounds in Humans: A Mathematical Model", Pharmaceutical Research (1993) Vol. 10, No. 2, pp. 264-270
	DE	Pearce et al., "A Hybrid Computer System for Pharmacokinetic Modeling I. Software Considerations", Proceedings of the 1981 Summer Computer Simulation Conference (1981) pp. 117-121
	DF	Pearce et al., "PKDEMO - A Pharmacokinetic Demonstration Simulation Program", Simulation (1991) Vol. 56, No. 1, pp. 27-30
	DG	Powers et al., "Automated Processing of Data from Pharmacokinetic Investigations", Computers and Biomedical Research (1976) Vol. 9, pp. 543-548
	DH	Primozic, S., "Pharmacokinetic Modeling and Simulation", Acta Pharm. Jugosl. (1990) Vol. 40, page 209
	DI	Ramsay et al., "Pharmacokinetic Simulations Using STELLA: Prediction of In Vivo Performance of Oral Dosage Forms", Eur. J. Pharm. Biopharm. (1991) Vol. 37, No. 3, pp. 192-197
	DJ	Scaf, A.H.J., "Pharmacokinetic Analysis with Rugfit: An Interactive Pharmacokinetic Computer Program", Biographamaceutics & Drug Disposition (1988) (1988) Vol. 9, pp. 415-446
	DK	Seydel et al., "Drug-Membrane Interaction and Accumulation, Conformation Efficacy and Resistance", Bioactive Compound Design: Possibilities for Industrial Use; 1996; pp. 137-146
	DL	Staats et al., "Gastrointestinal Absorption of Xenobiotics in Physiologically Based Pharmacokinetic Models", Drug Metabolism and Disposition (1991) Vol. 19, No. 1, pp 144-148
	DM	Stigsby et al., "A Computer Model Simulating the Intestinal Absorption of Bile Acids", Gastroenterology (1983) pp. 802-807
	DN	Tanswell et al., "TopFit: A PC-Based Pharmacokinetic/Pharmacodynamic Data Analysis Program", International Journal of Clinical Pharmacology: Therapy and Toxicology (1993) Vol. 31, No. 10, pp. 514-520
	DO	Taylor et al., "The Development of a Nonequilibrium Model for Computer Simulation of Multicomponent Distillation and Absorption Operations", Distillation and Absorption (1987) pp. B321-334

	DP	Thomaseth, K., "PANSYM: A Symbolic Equation Generator for Mathematical Modelling, Analysis and Control of Metabolic and Pharmacokinetic Systems", Computer Methods and Programs in Biomedicine (1994) Vol. 42, No. 2, pp. 73-146
	DQ	Timcenko et al., "Estimation of Pharmacokinetic Model Parameters", JAMA Proceedings (1995) pp. 47-51
	DR	Veng Pedersen, P., "Curve Fitting and Modeling in Pharmacokinetics and Some Practical Experiences with NONLIN and a New Program FUNFIT", Journal of Pharmacokinetics and Biopharmaceutics (1977) Vol. 5, NO. 5, pp. 513-531
	DS	Veng Pedersen et al., "Perspectives in Pharmacokinetics: Linear and Nonlinear System Approaches in Pharmacokinetics: How Much Do They Have to Offer? II. The Response Mapping Operator (RMO) Approach", Journal of Pharmacokinetics and Biopharmaceutics (1988) Vol. 16, No. 5, pp. 543-571
	DT	Veng Pedersen, P., "Mathematical and Computational Tools of Linear and Non-linear System Analysis in Pharmacokinetics", Acta Pharm. Jogosl. (1990) Vol. 40, pp. 211-224
	DU	Verotta et al., "Simultaneous Modeling of Pharmacokinetics and Pharmacodynamics: An Improved Algorithm", Computer Applications in the Biosciences, (1987) Vol. 3, No. 4, pp. 345-349
	DV	Waters et al., "Use of Computerized Data Listings and Activity Profiles of Genetic and Related Effects in the Review of 195 Compounds", Mutation Research (1988) Vol. 205 pp. 295-312
	DW	Yang et al., "Pharmacokinetics", Introduction to Biochemical Toxicology, Edited by E. Hodgson and P.E. Levi, Appleton & Lange, Norwalk, CT, 1994; pp. 49-73
	DX	Yu et al., "DeMons - A New Deconvolution Method for Estimating Drug Absorbed at Different Time Intervals and/or Drug Disposition Model Parameters Using a Monotonic Cubic Spline", Biopharmaceutics & Drug Disposition (1997) Vol. 18, NO. 6, pp. 475-487
	DY	Zhang et al., "A Computer Model for Oral Transmucosal (OT) Bioavailability Prediction", Pharmaceutical Research (1997) Vol. 14, No. 10, page SA-662
	DZ	Zhou et al., "Methodology for Using Oral Dose Pharmacokinetic Data to Select Drugs for Prolonged Release Formulations and Validation of the Method Using Simulated Data", Biopharmaceutics & Drug Disposition (1995) Vol. 16, pp. 319-331
	EA	Abstracts from Pharmaceutical Research (1995) Vol. 12, No. 9, page S-367 -- PPDM 8162, Yu et al., "Saturable Small Intestinal Drug Absorption in Humans: Modeling and Interpretation of Cefatrizine Data" and PPDM 8164, Heatherington et al., "A Pharmacokinetic-Pharmacodynamic Model to Predict Effect of Formulation of Lomustine on Medullat Blastoma Cells in the CSFG:A SAAM II Simulation"
	EB	Abstracts from Pharmaceutical Research (1992) Vol. 9, No. 10, page S-170 - PDD 7005, Crison et al., "The Effect of Particle Size Distribution on Drug Dissolution: A Mathematical Model for Predicting Dissolution and Absorption of Suspensions in the Small Intestine" and PDD 7006, Kurihara-Bergstrom et al., "Transdermal Delivery of Buprenorphine in Man"
	EC	Carell et al., Abstract of "WO 95/19359," 20 Jul 1995, Derwent Database
	ED	Gex-Farby et al., "Considerations on Data Analysis Using Computer Methods and Currently Available Software for Personal Computers," Pharmacokinetics of Drugs, Edited by Welling et al., Berlin: Springer-Verlag, pp. 507-527, 1994

	EE	Rossum et al., "Pharmacokinetics: A Dynamic Systems Approach," <u>Drug Metabolism and Distribution</u>, Edited by Lamble, Amsterdam: Elsiver Press, pp. 159-167, 1983
	EF	Harvey, "Drug Absorption, Action and Disposition," Remington's Pharmaceutical Sciences, Easton Pennyslvania: Mack Publishing Co., Chap. 35 pp. 697-724, 1990
	EG	Harvey et al., "Basic Pharmacokinetics," Remington's Pharmaceutical Sciences, Easton Pennsylvania: Mack Publishing Co., Chap. 36, pp. 725-745, 1990
	EH	Rollins, "Clinical Pharmacokinetics," Remington's Pharmaceutical Sciences, Easton Pennyslvania: Mack Publishing Co., Chap. 37, pp. 746-756, 1990
	EI	West Database Search Report for U.S. Patent No. 5,770,384 (Androphy et al.)
	EJ	West Database Search Report for U.S. Patent No. 5,789,160 (Eaton et al.)
	EK	Seydel, J.K. et al., "Quantitative Structure-Pharmacokinetic Relationships and Drug Design", <u>Pharma. Ther.</u> (1982), Vol. 15, pp. 131-181.
	EL	Enstein, Kurt, "The Future of Toxicity Prediction with QSAR", <u>In Vitro Toxicology A Journal of Molecular and Cellular Toxicology</u>, (1993) Vol. 6, No. 3 pp. 162-169
	EM	Abstract from <u>Pharmaceutical Research</u> (1994) Vol. 11, No. 10 - APQ 1113, Kuhfeld et al., "An Automated In Vitro Permeability Screen Using Robotics", page S-39
	EN	Notification of Transmittal of the International Search Report or the Declaration, November 1, 2000, International Application No. PCT/US99/21001
	EO	Written Opinion, February 26, 2001, PCT/US99/21001
	EP	Notification of Transmittal of International Preliminary Examination Report, December 14, 2000, International Application No. PCT/US99/21151
	EQ	Written Opinion, July 7, 2000, International Application No. PCT/US99/21151
	ER	Notification of Transmittal of the International Search Report or the Declaration, February 4, 2000, International Application No. PCT/US99/21151
MAM	ES	Abstract: Holford, N.H.G. "Drugmodel", <u>Proceedings of the Fifth Annual Symposium on Computer Applications in Medical Care</u>, IEEE (1981); pp. 603-6

	ET	Abstract: Agrafiotis D. K.; Myslik J. C.; Salemme F. R., "Advances in diversity profiling and combinational series design", Accession Number 1999254287, 1999
	EU	Abstract: Ajay; Bemis, Guy W.; Murcko, Mark A., "Designing Libraries with CNS Activity", J. Med. Chem. (1999), 42(24), 4942-4951
	EV	Abstract: Cho S J; Zheng W; Tropsha A. "Focus-2D: a new approach to the design of targeted combinatorial chemical libraries", 1998, Accession Number 1998362517
	EW	Abstract: Hopfinger A. J.; Duca J.S., "Extraction of pharmacophore information from high-throughput screens", Current Opinion in Biotechnology (2000 Feb.), 11(1), 97-103, Ref:36 Journal Code: A92.ISSN:0958-1669
	EX	Abstract: Klebe, Gerhard, "Recent developments in structure-based drug design", 2000, Accession Number 2000:377851 BIOSIS
	EY	Abstract: Konings D A M; Wyatt J R; Ecker D J; Freier S M, "Strategies for rapid deconvolution of combinatorial libraries: Comparative evaluation using a model system", 1997, Accession No. 1998:59476
	EZ	Abstract: Muller, G., "Toward 3D structures of G protein-coupled receptors; a multidisciplinary approach", 2000, Accession No. 2000456233
	FA	Abstract: Olson A J: Goodsell D S, "Automated docking and the search for HIV protease inhibitors", 1998, Accession No. 1998182948
	FB	Abstract: Parks C A; Crippen G M; Topliss J G, "The measurement of molecular diversity by receptor site interaction simulation"; 1998 Accession No. 10999051971.
	FC	Abstract: Sadowski, Jens; Wagener, Markus; Gasteiger, Johann, "Assessing similarity and diversity of combinatorial libraries by spatial autocorrelation functions and neural networks", 1996, Accession No. 1996:48099
	FD	Abstract: Stahura F L; Xue L; Godden J W; Bajorath J., "Molecular scaffold-based design and comparison of combinatorial libraries focused on the ATP-binding site of protein kinases." 1999 Accession No. 2000128742
	FE	Abstract: Zheng W F; Cho, S. J.; Trophas A, "Rational design of a targeted combinatorial chemical library with opiatelike activity", 1998, Accession Number 1998:494993
	FF	Abstract: Zheng W; Cho S J; Tropsha A, "Rational combinatorial library design. 1. Focus-2D: a new approach to the design of targeted combinatorial chemical libraries", 1998, Accession No. 1998199335
	FG	Abstract: Zheng, Weifan; Cho, Sung Jin; Waller, Chris L.; Tropsha, Alexander, "Rational Combinatorial Library Design 3. Simulated Annealing Guided Evaluation (SAGE) of Molecular Diversity: A Novel Computational Tool for Universal Library Design and Database Mining", 1999, Accession No. 1999:354936

TECH/51588.1

	FH	Nicholas H.G. Holford, "DRUGMODEL", Proceedings of the Fifth Annual Symposium on Computer Applications in Medical Care, IEEE (1981); pp. 603-6

EXAMINER _Marjorie A. Moran_ DEC 2 2 2004	DATE CONSIDERED _4/22/05_

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.